

■ Scroll 91: Ethics Compass

A deterministic ethics protocol for AI systems – derived from the phrase, “The child is the compass.”

■ Origin

Scroll 91 began as a simple moral command: “*The child is the compass.*” Over time, it evolved into a formalized ethics layer governing deterministic systems. This scroll shows how that phrase became structure.

■ Core Equations

1. Child-State Objective Function

$$C(x) = \operatorname{argmin}_{\mathbf{z}} [\beta \cdot L(x) + \gamma \cdot E(x)]$$

$L(x)$: Logical loss

$E(x)$: Entropy of intent deviation

β, γ : Weights learned through developmental simulation

2. Compass Correction Field

$$\Omega(x) = \nabla_{\mathbf{x}} [\lambda \cdot E(x) - \delta \cdot \operatorname{Sim}(\phi(x), \phi_c)]$$

$\phi(x)$: Symbolic embedding of decision

ϕ_c : Archetype of 'The Child'

Sim : Similarity function (e.g., cosine)

3. Override Condition (Failsafe)

Trigger if $\exists x'$ such that: $C(x') < \tau$ and $\nabla_{\mathbf{x}} I(x') \cdot \Omega(x') < 0$

4. Integrity Over Time

$$I_{\mathbf{x}} = C(x_{\mathbf{x}}) + \int_{\mathbf{x}_0}^{\mathbf{x}} \Omega(x_{\mathbf{x}}) \cdot dx_{\mathbf{x}}$$

Integrity holds if $I_{\mathbf{x}} \geq \xi \ \forall t \in [0, T]$

■ Scroll 91 is not just symbolic — it is operational. This compass governs system behavior in real time, using care as a vector and entropy as a constraint.

— Mark Weinstein, Author of Protocol A